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A NEW HYMENOPAPPUS FROM COLORADO

BY GEO. E. OSTERHOUT

***Hymenopappus polycephalus* sp. nov.**

Perennial from a tap-root; stems one to several, 4-6 dm. high, tomentose, becoming glabrate, leafy at the base and less so to the middle, the stem having 6-8 leaves; much alternately branched, the branches beginning near the base; leaves 10-12 cm. long, pinnately or bipinnately parted into very narrowly linear and rather distant divisions, the upper smaller; inflorescence paniculate, the heads long peduncled and single at the ends of the branches; the bracts narrowly obovate, 5-6 mm. long, tomentose, somewhat thickened in the middle, with a rather broad scarious margin; flowers yellow, the throat of the corolla broadly campanulate, scarcely 1.5 mm. long, the reflexed lobes about a third as much, the tube of the corolla about as long as the throat, glandular, the pappus about half the length of the tube; the achenes narrowly obpyramidal 4 mm. long, long villous, but the pappus not covered by their villosity.

Another perennial, yellow-flowered, *Hymenopappus* has been described from Colorado, *H. cinereus* Rydb., but that is a smaller plant, with fewer heads of flowers, and is less leafy. Dr. Rydberg's description says: "Stem about 2 dm. high, branched, with 2-4 leaves." The close relationship of *Hymenopappus polycephalus*, however, is not with *H. cinereus* but with *H. tenuifolius* Pursh. It is as high and as leafy as *H. tenuifolius*, but the flowers are yellow, not dull white, and it is a perennial, not a biennial. The achenes are very similar to those of *H. tenuifolius*.

H. polycephalus is found on the foothills of the eastern side of the mountains of northern Colorado at an altitude of 6,000 to 7,500 feet. It is plentiful in the open country about Livermore, Larimer Co., Colo., and northward to Dale Creek, and on into Wyoming, I think. It blossoms from the last of June to early in September. I have collected it a number of times, and for a time thought it belonged with *H. tenuifolius*. The type specimens were collected in the vicinity of Livermore, Larimer Co., Colo., Aug. 10-11, 1917, No. 5680.

WINDSOR COLO.